UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER
BELOUSOV, ANDREY

ART UNIT	PAPER NUMBER
2174	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/789,970	OLANDER ET AL.
	Examiner	Art Unit
	ANDREY BELOUSOV	2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>20 October 2008</u>.
2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-45</u> is/are pending in the application.
     4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1-45</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a) ☐ All   b) ☐ Some *   c) ☐ None of:
         1. ☐ Certified copies of the priority documents have been received.
         2. ☐ Certified copies of the priority documents have been received in Application No. _____.
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
     Paper No(s)/Mail Date <u>10/17/2008, 10/29/2008, 12/01/2008, 12/31/2008</u>.

4) ☐ Interview Summary (PTO-413)
     Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This action is responsive to amendment filed on 10/20/2008. Claims 1-45 are pending

and have been considered below.

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 1-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Hunter, (Java™ Servlet Programming by Jason Hunter, Copyright (c) 2001, 1998

O'Reilly & Associates, Inc.) in view of Popp (6,249,291.)

Claim 1, 16, 30, 45: Hunter discloses a method, machine readable medium having

instructions stored thereon, and a computer readable storage medium for navigating a

graphical user interface (GUI) having at least one page, comprising:

  a. providing a first booklet (e.g. Fig. 7-1, 204; Fig. 9-4, pg. 293), wherein user

     interaction with the first booklet can cause the GUI to navigate to a new page

     (pg. 206);

  b. providing a request based on user interaction with the first booklet (pg. 15);

  c. mapping (pg. 31) the request to a control tree factory (pg. 7);

d. generating a control tree from the factory based on the request wherein the control tree includes a booklet control (Fig. 7-1, pg. 204) corresponding to the first booklet;

e. advancing the control tree through at least one lifecycle stage based on the request (pg. 35-36); and

f. generating a response wherein the response can be used to render the new page (pg. 129, 130);

g. wherein the at least one lifecycle stage includes an event lifecycle stage where at least one control of the control tree raise events to communicate with another control of the control tree (pf. 580-582);

h. wherein the event stage occurs before a render lifecycle stage and (pg. 203-204) wherein in the render stage the controls of the control tree create their own GUI representation (pg. 203-204); and

i. wherein a pre-render lifecycle stage occurs between the event lifecycle stage and the render lifecycle stage and (pg. 485-486)

However, Hunter does not explicitly disclose

j. wherein an additional control is dynamically added to the control tree at a stage before the pre-render lifecycle stage and wherein when the additional control is added to the control tree dynamically, a lifecycle catch-up process drives the additional control through lifecycle stages until the additional control catches-up to other controls of the control tree.

Popp discloses a similar Java servlet method,

k. wherein an additional control is dynamically added to the control tree at a stage

before the pre-render lifecycle stage and wherein when the additional control is

added to the control tree dynamically, a lifecycle catch-up process drives the

additional control through lifecycle stages until the additional control catches-up

to a current stage (3:33-36, 4:15-19, 17:18-29, 17:47-53.)

Therefore, it would have been obvious to one having ordinary skill in the art at the time

the invention was made to combine the teaching of Popp with Hunter. One would have

been motivated to include the teachings of Popp with Hunter so as to manage a large-

scale internet based system involving a plurality of resources dynamically.

Claim 2, 17, 31: Hunter and Popp disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the first

booklet is at least one of: 1) a set of tabs and/or buttons; and 2) a menu (Fig. 7-1, pg.

204.)

Claim 3, 18, 32: Hunter and Popp disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the first

booklet is associated with at least one of the least one page (Fig. 7-1, pg. 204.; Fig. 9-4,

pg. 293.)

Claim 4, 33: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium having instructions stored thereon of claim 1 and 30, respectively, wherein: the new page can a second booklet (Fig. 7-1, pg. 204; Fig. 9-4, pg. 293.)

Claim 5, 19, 34: <u>Hunter</u> and <u>Zhou</u> disclose a method, and a machine readable medium having instructions stored thereon of claims 1, 16 and 30, respectively, wherein the step of generating a control tree from the factory comprises:

   a. creating a metadata representation of a control tree (pg. 74, 584); and

   b. generating a class to construct the control tree based on the metadata representation (pg. 584.)

Claim 6, 20, 35: <u>Hunter</u> and <u>Popp</u> disclose a method, and a machine readable medium having instructions stored thereon of claims 1, 16 and 30, respectively, wherein the request is an hypertext transfer protocol request (HTTP); and the request originates from a web browser (pg. 15.)

Claim 7, 21, 36: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium having instructions stored thereon of claim 1, 16 and 30, respectively, comprising: providing the response to a web browser (pg. 15.)

Claim 8, 22, 37: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the

control tree is driven through the at least one lifecycle stage by an interchangeable

lifecycle component (pg. 35-36.)

Claim 9, 23, 38: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the

booklet control has an interchangeable persistence mechanism (pg. 37, 216, 384, 582.)

Claim 10, 24, 39: <u>Hunter</u> and <u>Popp</u> disclose a method, and a machine readable

medium having instructions stored thereon of claims 1, 16 and 30, respectively, wherein

the booklet control can render itself according to a theme (Tea Templates, pg. 433.)

Claim 11, 25, 40: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the

booklet control can interact with another of the at least one controls (pg. 35.)

Claim 12, 26, 41: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the

booklet control can advance through the at least one lifecycle stage in parallel with other

controls in the control tree (pg. 35.)

Claim 13, 27, 42: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the at

least one lifecycle stage is one of: init, load state, create child controls, load, raise

events, pre-render, render, save state, unload and dispose (pg. 35, 43.)

Claim 14, 28, 43: <u>Hunter</u> and <u>Popp</u> disclose a method, and a machine readable

medium having instructions stored thereon of claims 1, 16 and 30, respectively, wherein

the response is an HTTP response (pg. 15.)

Claim 15, 29, 44: <u>Hunter</u> and <u>Popp</u> disclose a method and machine readable medium

having instructions stored thereon of claim 1, 16 and 30, respectively, wherein: the

booklet control can raise events and respond to events (pg. 580-583.)

Response to Arguments

3.   Applicant's arguments with respect to claims 1-45 have been considered but are

moot in view of the new ground(s) of rejection.

Conclusion

4.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

5.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Andrew Belousov whose telephone number is (571)

270-1695. The examiner can normally be reached on Mon-Fri (alternate Fri off) EST.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-3800.

        Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

                                                                /Steven P Sax/
                                                                Primary Examiner, Art Unit 2174

AB
January 3, 2009